Guisheng

List of Publications by Year
in descending order

101	1,299	393982	500791
papers	citations	19 h-index	28 g-index

101	101	101	1343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in graphene/polyamide 6 composites: a review. RSC Advances, 2015, 5, 61688-61702.	1.7	70
2	Synthesis of Exfoliated Monomer Casting Polyamide 6/Na+-Montmorillonite Nanocomposites by Anionic Ring Opening Polymerization. Macromolecular Chemistry and Physics, 2006, 207, 701-707.	1.1	47
3	Constructing biodegradable nanochitin-contained chitosan hydrogel beads for fast and efficient removal of Cu(II) from aqueous solution. Carbohydrate Polymers, 2019, 211, 152-160.	5.1	47
4	Synthesis and characterization of poly(methyl methacrylate)/montmorillonite nanocomposites byin situ bulk polymerization. Journal of Applied Polymer Science, 2003, 89, 2256-2260.	1.3	41
5	Morphology and mechanical properties of high-impact polystyrene/elastomer/magnesium hydroxide composites. Journal of Applied Polymer Science, 2006, 102, 5184-5190.	1.3	39
6	Synthesis, rheology, and morphology of nylon-11/layered silicate nanocomposite. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2161-2172.	2.4	34
7	Preparation of nanochitin-contained magnetic chitosan microfibers via continuous injection gelation method for removal of Ni(II) ion from aqueous solution. International Journal of Biological Macromolecules, 2019, 125, 404-413.	3.6	34
8	Variableâ€temperature FTIR studies on thermal stability of hydrogen bonding in nylon 6/mesoporous silica nanocomposite. Polymer International, 2009, 58, 503-510.	1.6	31
9	Effects of polyphenylene oxide content on morphology, thermal, and mechanical properties of polyphenylene oxide/polyamide 6 blends. Journal of Applied Polymer Science, 2006, 99, 2076-2081.	1.3	27
10	A New Strategy for the Preparation of Polyamide-6 Microspheres with Designed Morphology. Macromolecules, 2006, 39, 7801-7804.	2.2	26
11	Non-isothermal crystallization of polyamide 6 matrix in all-polyamide composites: crystallization kinetic, melting behavior, and crystal morphology. Journal of Materials Science, 2011, 46, 5184-5191.	1.7	26
12	Facile synthesis of inorganic nanoparticles by a precipitation method in molten Îµ-caprolactam solvent. Journal of Materials Chemistry, 2012, 22, 18664.	6.7	24
13	Synthesis and characterization of polyamide-6/graphite oxide nanocomposites. Journal of Materials Science, 2011, 46, 882-888.	1.7	23
14	Comparison of Polyamide-6 Nanocomposites Based on Pristine and Organic Montmorillonite Obtained via Anionic Ring-Opening Polymerization. Macromolecular Chemistry and Physics, 2006, 207, 1174-1181.	1.1	22
15	Synthesis, thermal, and rheological properties of poly(trimethylene terephthalate)/BaSO₄ nanocomposites. Polymers for Advanced Technologies, 2009, 20, 768-774.	1.6	22
16	Synthesis and properties of poly(butylene terephthalate)/multiwalled carbon nanotube nanocomposites prepared by in situ polymerization and in situ compatibilization. Journal of Applied Polymer Science, 2010, 118, 2929-2938.	1.3	22
17	Maleic anhydride grafted thermoplastic elastomer as an interfacial modifier for polypropylene/polyamide 6 blends. Journal of Applied Polymer Science, 2004, 91, 1806-1815.	1.3	21
18	Toughening of a copolyester with a maleated core-shell toughener. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2801-2809.	2.4	19

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19	Preparation and characterization of thermoplastic polyurethane elastomer and polyamide 6 blends by in situ anionic ring-opening polymerization of Îµ-caprolactam. Polymer Engineering and Science, 2006, 46, 1196-1203.	1.5	19
20	Effects of interfacial modification on the thermal, mechanical, and fire properties of high-impact polystyrene/microencapsulated red phosphorous. Journal of Applied Polymer Science, 2008, 110, 2139-2144.	1.3	19
21	In situ synthesis of polyamide 6/MWNTs nanocomposites by anionic ring opening polymerization. Journal of Applied Polymer Science, 2009, 111, 1278-1285.	1.3	19
22	Synthesis and properties of homogeneously dispersed polyamide 6/MWNTs nanocomposites via simultaneous in situ anionic ringâ€opening polymerization and compatibilization. Journal of Applied Polymer Science, 2009, 112, 3620-3626.	1.3	19
23	Synthesis and properties of hydroxyapatite nanorodâ€reinforced polyamide 6 nanocomposites. Polymer International, 2009, 58, 380-387.	1.6	19
24	Toughening and compatibilization of polypropylene/polyamide-6 blends with a maleatedâ€“grafted ethylene-co-vinyl acetate. Journal of Applied Polymer Science, 2006, 99, 3300-3307.	1.3	18
25	Isothermal and nonisothermal crystallization kinetics of a semicrystalline copolyterephthalamide based on poly(decamethylene terephthalamide). Journal of Applied Polymer Science, 2004, 94, 819-826.	1.3	17
26	Characterization of poly(vinylidene fluoride)/Na⁺â€MMT composites: An investigation into the Î²â€crystalline nucleation effect of Na⁺â€MMT. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 903-911.	2.4	17
27	Synthesis and characterization of nylonâ€6/mesoporous silica nanocomposites via in situ synchronous hydrolytic polymerization of tetraethylorthosilicate and Îµâ€caprolactam. Journal of Applied Polymer Science, 2011, 120, 1957-1964.	1.3	17
28	Toughening of polyethylene terephthalate/amorphous copolyester blends with a maleated thermoplastic elastomer. Journal of Applied Polymer Science, 2003, 89, 797-805.	1.3	16
29	Melting behavior and nonisothermal crystallization kinetics of polyamide 6/polyamide 66 molecular composites viain situ polymerization. Journal of Applied Polymer Science, 2005, 98, 2172-2177.	1.3	16
30	In situ synthesis of boneâ€like hydroxyapatite/polyamide 6 nanocomposites. Polymer International, 2008, 57, 1226-1234.	1.6	15
31	Polyamide 6 composites reinforced with silicon nitride whiskers: Synthesis, interface interaction, and mechanical properties. Journal of Applied Polymer Science, 2010, 115, 3376-3384.	1.3	15
32	Crystallization behavior of nylon 11/montmorillonite nanocomposites under annealing. Journal of Applied Polymer Science, 2006, 102, 5483-5489.	1.3	14
33	Morphology and Thermal Properties of MCPA6/ABS by in situ Polymerization ofÉ›-Caprolactam. Macromolecular Chemistry and Physics, 2005, 206, 1887-1895.	1.1	13
34	Phase morphology development in PP/PA6 blends induced by a maleated thermoplastic elastomer. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1050-1061.	2.4	13
35	Studies on novel composites of polyoxymethylene/ polyamide 6. Journal of Applied Polymer Science, 2006, 99, 335-339.	1.3	13
36	Blends of Immiscible Polystyrene/Polyamide 6 via Successive In-Situ Polymerizations. Macromolecular Chemistry and Physics, 2006, 207, 1980-1985.	1.1	13

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37	Preparation and characterization of transparent poly(methyl methacrylate)/Na⁺â€MMT nanocomposite films by solution casting. Journal of Applied Polymer Science, 2010, 115, 2773-2778.	1.3	13
38	Dynamic Rheological Properties of Polypropylene/Polyamide-6 Blends Modified with a Maleated Thermoplastic Elastomer. Polymer Journal, 2004, 36, 754-760.	1.3	12
39	Properties of Nylon-6/Na+-Montmorillonite Nanocomposites Obtained by Hydrolyzed Ring-Opening Polymerization. Macromolecular Rapid Communications, 2006, 27, 1572-1577.	2.0	12
40	Effects of shell thickness of polystyrene-encapsulated Mg(OH)2 on flammability and rheological properties of high-impact polystyrene composites. Polymer International, 2007, 56, 1135-1141.	1.6	12
41	Interfacial modification of high impact polystyrene magnesium hydroxide composites effects on flame retardancy properties. Journal of Applied Polymer Science, 2008, 110, 578-583.	1.3	12
42	Poly(trimethylene terephthalate)/silica nanocomposites prepared by dual in situ polymerization: synthesis, morphology, crystallization behavior and mechanical properties. Polymer International, 2010, 59, 492-500.	1.6	12
43	Synergistically toughening high-density polyethylene with calcium carbonate and elastomer. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3213-3221.	2.4	11
44	Effect ofin situ synthesized macroactivator on morphology of PA6/PS blends via successive polymerization. Journal of Applied Polymer Science, 2007, 105, 1757-1765.	1.3	11
45	Synthesis and properties of SMAâ€gâ€PA6 and PPO blends via in situ active anionic polymerization of Îµâ€caprolactam, comparing with MCPA6/PPO blends. Journal of Applied Polymer Science, 2008, 108, 3419-3429.	1.3	11
46	Effect of montmorillonite on the morphologies and properties of monomer casting polyamide 6/polystyrene blends via successive in situ polymerization. Journal of Materials Science, 2011, 46, 2700-2708.	1.7	11
47	Double in situ synthesis of Fe3O4/polyamide 6 magnetic nanocomposite. Materials Letters, 2013, 98, 90-93.	1.3	11
48	Effects of elastomer on morphology, flammability and rheological properties of HIPS/PS-encapsulated Mg(OH)2 composites. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2023-2030.	2.4	10
49	An unusual morphology and crystallization behavior in in situ formed polyphenylene oxide/polyamide 6 blends. Journal of Materials Science, 2010, 45, 987-992.	1.7	10
50	Crystallization, melting behavior, and wettability of poly(Îµâ€caprolactone) and poly(Îµâ€caprolactone)/poly(Nâ€vinylpyrrolidone) blends. Journal of Applied Polymer Science, 2010, 115, 2747-2755.	1.3	10
51	A superâ€toughened nylon 12 blends via anionic ringâ€opening polymerization of lauryllactam in a twin screw extruder. Preparation, morphology, and mechanical properties. Polymer Engineering and Science, 2010, 50, 1178-1185.	1.5	10
52	A novel method for the synthesis of polyamide 6 magnetic microspheres. Journal of Materials Science, 2011, 46, 5050-5055.	1.7	10
53	A novel strategy for the synthesis of polyamide-6 microspheres. Materials Letters, 2018, 214, 34-37.	1.3	10
54	Effect of Na+-MMT Platelets on Monomer Casting Polyamide 6/Polyphenylene Oxide Blends. Macromolecular Chemistry and Physics, 2006, 207, 2180-2187.	1.1	9

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55	Influence of preparation methods on the structures and properties for the blends between polyamide 6co6T and polyamide 6: Meltâ€mixing and inâ€situ blending. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 201-211.	2.4	9
56	Comparison of crystallization behaviors of poly(Îµâ€caprolactone) in confined environment with that in bulk. Journal of Applied Polymer Science, 2008, 107, 3796-3803.	1.3	9
57	Preparation of nickel/PA12 composite particles by defect-induced electroless plating for use in SLS processing. Scientific Reports, 2018, 8, 13407.	1.6	9
58	Flame-retardant mechanism of zinc borate and magnesium hydroxide in aluminum hypophosphiteâ€"based combination for TPE-S composites. Journal of Fire Sciences, 2019, 37, 273-300.	0.9	9
59	Effects of maleated styrene-(ethylene-co-butene)-styrene on compatibilization and properties of nylon-12,12/nylon-6 blends. Journal of Applied Polymer Science, 2004, 93, 1446-1453.	1.3	8
60	Morphology and thermal behavior of MCPA6/SAN blends prepared by anionic ring-opening polymerization of Îµ-caprolactam. Journal of Applied Polymer Science, 2006, 100, 1357-1363.	1.3	8
61	Preparation of exfoliated polyacrylic clay nanocomposites with high loading: An investigation into the intercalation of ammoniumâ€terminated polyacrylic acid and polyacrylates. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2335-2340.	2.4	8
62	Melting behaviors, isothermal crystallization kinetics, and morphology of poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 3562-3570.	1.3	8
63	Synthesis and properties of monomer casting polyamide 6/poly(methyl methacrylate) blends. Journal of Applied Polymer Science, 2009, 111, 101-107.	1.3	8
64	A commercial production route to prepare polymerâ€based nanocomposites by unmodified multilayer graphene. Journal of Applied Polymer Science, 2015, 132, .	1.3	8
65	A facile route to prepare few-layer graphene/polyamide 6 nanocomposites by liquid reactive extrusion. RSC Advances, 2015, 5, 77316-77323.	1.7	8
66	Effects of maleated styrene-(ethylene-co-butene)-styrene on the morphology and mechanical and thermal properties of polystyrene/polyamide 1212 blends. Journal of Applied Polymer Science, 2005, 95, 1354-1360.	1.3	7
67	Property transitions in high-density polyethylene/maleated poly(ethyleneâ€"octene)/calcium carbonate ternary composites. Journal of Applied Polymer Science, 2006, 101, 3361-3366.	1.3	7
68	Structure, Morphology and Properties of a Novel Molecular Composite by In-Situ Blending of Anionic Polyamide 6 with a Polyamide Copolymer Containing Rigid Segments. Macromolecular Materials and Engineering, 2007, 292, 197-205.	1.7	7
69	Interface and mechanical properties of poly(methyl methacrylate)-fiber composites. Journal of Applied Polymer Science, 2004, 93, 2478-2483.	1.3	6
70	Cracking in poly(trimethylene terephthalate) spherulites. Journal of Applied Polymer Science, 2009, 111, 1713-1719.	1.3	6
71	Reactive extrusion for the synthesis of nylon 12 and maleated lowâ€density polyethylene blends via the anionic ringâ€opening polymerization of lauryllactam. Journal of Applied Polymer Science, 2009, 114, 2662-2672.	1.3	6
72	Influence of in situ compatibilization on in situ formation of lowâ€density polyethylene/polyamide 6 blends by reactive extrusion. Journal of Applied Polymer Science, 2010, 116, 3027-3034.	1.3	6

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73	Crystallizationâ€induced aging in poly(trimethylene terephthalate)/ poly(ethylene oxide terephthalate) segmented block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 411-416.	2.4	6
74	Crystallization behavior and morphology of double crystalline poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (terephth	1.6	6
75	Preparation of Polyamideâ€6 Submicrometerâ€sized Spheres by In Situ Polymerization. Macromolecular Rapid Communications, 2015, 36, 1994-1999.	2.0	6
76	Morphology and flameâ€retardancy properties of ternary highâ€impact polystyrene/elastomer/polystyreneâ€encapsulated magnesium hydroxide composites. Journal of Applied Polymer Science, 2008, 108, 2488-2493.	1.3	5
77	Novel biodegradable amphiphilic poly(Îµâ€caprolactone)/poly(Nâ€vinylpyrrolidone) blends via successive in situ polymerizations. Journal of Applied Polymer Science, 2009, 111, 1676-1683.	1.3	5
78	Investigation on particular phase morphology of immiscible polyamide 12 and polystyrene blends prepared via anionic ringâ€opening polymerization. Polymer Engineering and Science, 2012, 52, 1831-1838.	1.5	5
79	Fabrication of silver nanoparticles through reduction by Îµ-caprolactam without using protecting agent. RSC Advances, 2014, 4, 28765-28768.	1.7	5
80	Rheological and Crystallization Properties of ABS/PA6-Compatibilized Blends via In Situ Reactive Extrusion. ACS Omega, 2020, 5, 15257-15267.	1.6	5
81	Evaluation of ammonium terminated PMMA as compatibilizers for monomer casting polyamide6/clay nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1802-1810.	2.4	4
82	Synthesis and characterization of monomerâ€casting polyamide 6/polymethacrylic ionomer blends. Journal of Applied Polymer Science, 2009, 111, 2970-2979.	1.3	4
83	Lactam-mediated synthesis of inorganic nanoparticles and size/surface-dependent properties: a case study on zinc oxide. RSC Advances, 2013, 3, 12320.	1.7	4
84	Preparation and characterization of poly(trimethylene terephthalate)â€poly(ethylene oxide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T polymerization. Polymer Engineering and Science, 2013, 53, 914-922.	1.5	4
85	Selfâ€assembly morphology evolution of the polyamide 6 (PA6) component in the PA6/polyethylene glycol system by in situ polymerization of Îµâ€caprolactam monomer. Polymer International, 2018, 67, 874-882.	1.6	4
86	Aluminum hypophosphite and aluminum phenylphosphinate: A comprehensive comparison of chemical interaction during pyrolysis in flame-retarded glass-fiber-reinforced polyamide 6. Journal of Fire Sciences, 2019, 37, 193-212.	0.9	4
87	Novel multimonomer-grafted polypropylene preparation and application in polypropylene/poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over	1.3	3
88	Evaluation of polymethacrylic ionomer as compatibilizers for MCPA6/clay composites. Journal of Applied Polymer Science, 2008, 110, 2727-2732.	1.3	3
89	Synthesis and properties of poly(trimethylene terephthalateâ€coâ€2â€methylâ€ethylene terephthalate) random copolyesters. Journal of Applied Polymer Science, 2010, 116, 3419-3426.	1.3	3
90	Synthesis, morphology, and nonisothermal crystallization behavior of poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (te Technologies, 2016, 27, 1029-1037.	1.6	3

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91	Synthesis, thermal properties and crystalline morphology of poly(trimethylene terephthalate)/ZnO nanocomposites prepared by dual in situ polymerization. Polymers for Advanced Technologies, 2016, 27, 1451-1457.	1.6	3
92	Effect of plating time on structural properties of Ni-plating coating on Nylon 12 powders. Journal of Materials Science: Materials in Electronics, 2018, 29, 3281-3285.	1.1	3
93	Preparation and Characterization of Polyamideâ€6/Reduced Graphene Oxide Composite Microspheres. ChemistrySelect, 2019, 4, 11294-11301.	0.7	3
94	SEBS-based thermoplastic elastomers containing aluminum hypophosphite and melamine cyanurate: Thermal degradation, flame retardancy, and mechanical properties. Journal of Fire Sciences, 2019, 37, 137-154.	0.9	3
95	Synthesis and thermal characterization of random poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (terephthalateâ€ Science, 2010, 117, 750-755.	1.3	2
96	Effect of ultrasonic vibration on activation-electroless nickel plating on Nylon 12 powders. Journal of Materials Science: Materials in Electronics, 2018, 29, 5561-5565.	1.1	2
97	Reinforcing network structure: Analysis of the phase morphology and mechanical properties of polymer blends [poly(methyl methacrylate)/poly(Ïµâ€caprolactone)] with the addition of a third polymer [poly(vinyl chloride)]. Journal of Applied Polymer Science, 2008, 108, 1044-1048.	1.3	1
98	Successive in situ synthesis of Ag/PA6 nanocomposites. RSC Advances, 2014, 4, 45311-45317.	1.7	1
99	Melt Crystallization Behavior and Spherulitic Morphology of Poly(Trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td [T Weights. Polymer-Plastics Technology and Engineering, 2018, 57, 775-790.	1.9	1
100	Investigation on particular morphology of immiscible polyamide 12/polystyrene blends. Journal of Applied Polymer Science, 2012, 125, 2970-2976.	1.3	0
101	A NOVEL SYNTHESIS METHOD FOR SILVER NANOPARTICLES USING MOLTEN Îµ-CAPROLACTAM AS SOLVENT AND REDUCING AGENT. Nano, 2014, 09, 1450085.	0.5	0